

## RESEARCH AND DEVELOPMENT, NEUCHÂTEL - QUARTERLY REPORT

DIVISION : MANUFACTURING SERVICES GROUP  
SUBJECT TITLE : INGREDIENT AND MATERIAL EVALUATION  
PERIOD COVERED : OCTOBER - DECEMBER 1988  
WRITTEN BY : Flury-C. (CAF)  
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tipping

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### OBJECTIVE

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Evaluate alternative direct materials and ingredients for filters and cigarettes in order to optimize product quality and cost.

### MATERIAL TRIALS: CONCEPT 1988 AND ACHIEVEMENTS

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The Material Trial Concept, which was valid for 1988, is summarized on Attachment 1. It also shows the achievements so far.

### IMPORTANT ACHIEVEMENTS 4th QUARTER

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Electrically perforated cork tipping from Tann was qualified on cigarette Raffles 100s. Tann substitutes Interbobbin, as an alternative supplier to Benkert, available to PM-UK.

Project FITIA (Filter Tip Attachment) refers to trials on six different cigarettes, run at PMG Berlin and at FTR. Small industrial trials, as per Step 3, are now scheduled, where 50 bobbins/trial are tested according to the so-called "FITIA Procedure" (Evaluation of Non-tobacco Materials During Industrial Trials). The test results will be carefully evaluated and further action, including the extension of the trials to PMG Munich and PMH Bergen oZ, will be planned. More on Project FITIA see Attachment 2.

The yearly Regional Meeting, held in Neuchâtel on December 1, 1988, treated three topics: Definition of the Material Trial Concepts 1989 for cigarette and packaging materials, as well as exchange of experiences and discussion on present and future organisation of material trials.

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The Minutes of this meeting are available upon request.  
The Material Trial Concept 1989 for packaging materials is available at Packaging Engineering PM Lausanne (Mr N. Moeller).

The Material Trial Concept 1989 for cigarette materials is attached (Attachment 3). It foresees only four new material trials. The 1989 plans mainly aim at terminating the 22 trials presently ongoing. In addition, six trials were classified as being of top priority.

Some information collected for the meeting can be summarized as follows:

- a) The number of ongoing trials decreased by about 25%, from 1987 to 1988, but is still considered rather high.
- b) Qualification of a new material/supplier of a cigarette material usually takes at least 18 months and may last several years.
- c) The most poor success rate can be achieved with trials referring to cigarette glues, tobacco additives and tipping papers, in this sequence. Glues is also the group with the highest number of trials.

**IMPORTANT ONGOING TRIALS**

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They are summarized on Attachment 4 (MATERIAL EVOLUTION - Highlights of Status Report Nr 41, dated January, 6, 1989).

  
C. Flury

CAF/December 23,, 1988  
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Attachment 1 : Material Trial Concept 1988 and achievements so far  
Attachment 2 : Project FITIA  
Attachment 3 : Material Trial Concept 1989  
Attachment 4 : MATERIAL EVOLUTION - Highlights of report Nr 41, dated January 6, 1989

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